

Inferring and Evaluating Data

Multiple Choice

Identify the letter of the choice that best completes the statement or answers the question.

- ____ 1. Kim, Tamara, Joan, and Lorna have been training for the 200-m sprint.
This table shows their practice times in seconds.

Runner	1st Practice	2nd Practice	3rd Practice	4th Practice
Kim	30.5 s	31.2 s	30.8 s	31.0 s
Tamara	30.4 s	30.8 s	30.5 s	30.4 s
Joan	30.2 s	30.4 s	30.7 s	30.9 s
Lorna	31.8 s	31.6 s	31.3 s	30.9 s

Which runner would you choose to compete in the 200-m race?

- a. Lorna b. Joan c. Kim d. Tamara

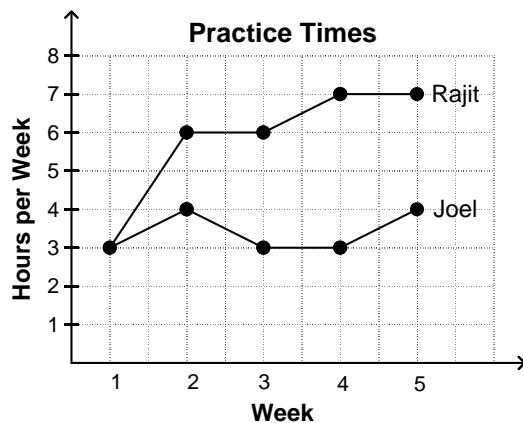
Short Answer

2. This table shows the ice cream sales to Grade 8 students by the school cafeteria during the first 2 weeks of June.

Boys	12	8	7	11	4	15	10	9	6	8
Girls	6	5	3	6	4	6	7	3	2	3

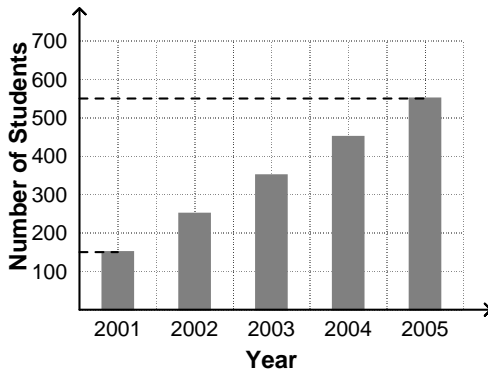
What inferences can you make about the eating habits of ice cream for each group

- a) if there are 60 boys and 60 girls in Grade 8?
b) if there are 40 boys and 80 girls in Grade 8?
3. This graph shows the practice times of 2 students playing the piano.



What inferences can you make about the practice times of the students?

4. This graph shows the number of students in a school who earned a credit for Grade 12 Mathematics from 2001 to 2005.



How many students, do you think, would earn a credit for Grade 12 Mathematics in 2006?
Justify your answer.

5. This table shows the monthly sales of sunscreen lotion in a store over a 5-month period.

Month	May	Jun	Jul	Aug	Sep
Sales (\$)	320	480	650	530	250

- a) What inferences can you make from the data? Justify your answer.
b) Can you predict the sales for October? Explain.
6. This table shows the sales made over a 6-month period by 2 sales representatives.

Month	Hannah's Sales (\$)	Isaac's Sales (\$)
Jan	740	820
Feb	760	780
Mar	780	800
Apr	800	820
May	860	840
Jun	940	880
Total	4880	4940

- a) Make an argument to show that Hannah is the better salesperson.
b) Make an argument to show that Isaac is the better salesperson.